ABSTRACT

The invention relates to a novel microporous crystalline material ITQ-19 used in the catalytic conversion of organic compounds, such as, for example, the dewaxing and isodewaxing of paraffins and the disproportionation of toluene. Said material has a characteristic X-ray diffractogram, a high absorption capacity and the empirical formula $x(M_{1/n}XO_2)$: yYO_2 : $(1-y)SiO_2$ wherein x has a value less than 0.2; y has a value less than 0.1; M is at least an inorganic cation with a +n charge; X is at least a chemical element having oxidation state +3, preferably selected among Al, Ga, B, Cr, Fe; Y is at least a chemical element with oxidation stated +4, preferably selected among Ge, Ti, Sn, V. The inventive material can be obtained by means of a preparation process involving the use of one or more organic additives in a reaction mix which is crystallized by heating.